

Aroclor Sample Data Summary Package Cover Sheet

Client: FOSTER WHEELER
Project: ROXANNA MARSH
SDG: 920839

Case Narrative

Client FOSTER WHEELER
Project Name ROXANNA MARSH
Project Number 1980.0208.0100
SDG 920839
Fraction PEST/PCB

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-001	FW-RM-15-SS	3/19/2002	3/21/2002	SOIL
920839-002	FW-RM-10-SS	3/19/2002	3/21/2002	SOIL
920839-003	FW-RM-12-SS	3/19/2002	3/21/2002	SOIL
920839-004	FW-RM-16-SS	3/19/2002	3/21/2002	SOIL
920839-005	FW-RM-02-SS	3/19/2002	3/21/2002	SOIL
920839-006	FW-RM-06-SS	3/19/2002	3/21/2002	SOIL
920839-007	FW-RM-05-SS	3/19/2002	3/21/2002	SOIL
920839-008	FW-RM-17-SS	3/19/2002	3/21/2002	SOIL
920839-009	FW-RM-07-SS	3/19/2002	3/21/2002	SOIL
920839-010	FW-RM-08-SS	3/19/2002	3/21/2002	SOIL
920839-011	FW-RM-09-SS	3/19/2002	3/21/2002	SOIL
920839-012	FW-RM-01-SS	3/19/2002	3/21/2002	SOIL
920839-013	FW-RM-04-SS	3/19/2002	3/21/2002	SOIL
920839-014	FW-RM-01-SSMS	3/19/2002	3/21/2002	SOIL
920839-015	FW-RM-03-SS	3/19/2002	3/21/2002	SOIL
920839-017	FW-RM-08-CS-2.3-4.4	3/19/2002	3/21/2002	SOIL
920839-018	FW-RM-08-CS-1-2.3	3/19/2002	3/21/2002	SOIL
920839-019	FW-RM-09-CS-1-3.5	3/19/2002	3/21/2002	SOIL
920839-020	FW-RM-09-CS-3.5-4.9	3/19/2002	3/21/2002	SOIL
920839-021	FW-RM-17-CS-0-1.5	3/19/2002	3/21/2002	SOIL
920839-022	FW-RM-RB-01	3/19/2002	3/21/2002	WATER
920839-023	FW-RM-17-CS-1.5-3.5	3/19/2002	3/21/2002	SOIL
920839-027	FW-RM-01-SSMSD	3/19/2002	3/21/2002	SOIL
920839-028	MB1920839			SOIL
920839-029	MB1920839LCS			SOIL
920839-031	MB2920839			WATER

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-032	MB2920839LCS			WATER
920839-033	MB2920839LCSD			WATER

EN CHEM, INC
CASE NARRATIVE - PCB ANALYSIS

Lab Report Number (SDG): 920839

Client: Foster Wheeler

Project Name: Roxanna Marsh

Project Number: 1980.0208.0100

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All extraction-holding times were met.
- B. **Sample Analysis:** All method-holding times were met.

3. METHOD

Preparation: SW-846 3550B, 3510C

Analysis: SW-846 8082

4. PREPARATION

Sample preparation proceeded normally. The soil samples were taken through acid and mercury clean up procedures prior to analysis.

5. ANALYSIS

- A. **Calibration:**
 - 1. **Initial verification:** All method acceptance criteria were met for both ICALs.
 - 2. **Continuing verification:** All method acceptance criteria were met for the continuing calibrations analyzed with the 3/31/02 calibration. In cases where continuing calibration standards have peaks greater than 15% difference no corrective action was necessary because the average %D was less than 15%. For the initial calibration analyzed on 4/1/02 all continuing met acceptance criteria except for the following. A410049 and A410055 did not meet the average acceptance criteria of 15%. The data is being accepted because the samples were analyzed three times with the same results.

B. Blanks:

- 1. **Method:** All in-house acceptance criteria were met for both method blanks.

- C. **Surrogates:** All in-house acceptance criteria were met except for sample FW-RM-04-SS. It appears this sample was triple spiked. The sample was not re extracted as the hold time had expired.

D. Spikes:

- 1. **Lab Control Spike (LCS):** All in-house accuracy criteria were met for both control spikes.

- 2. **Matrix Spike / Duplicate (MS/MSD):** Sample FW-RM-01-SS., fortified with Aroclor 1260, was designated as the matrix spike sample for this SDG. All in-house accuracy and precision criteria were met.

- E. **Samples:** All sample analyses proceeded normally.

F. Dilutions:

<u>Sample ID</u>	<u>Reason</u>
FW-RM-12-SS	To bring Aroclors into calibration range
FW-RM-02-SS	To bring Aroclors into calibration range
FW-RM-05-SS	To bring Aroclors into calibration range
FW-RM-07-SS	To bring Aroclors into calibration range
FW-RM-01-SS	To bring Aroclors into calibration range
FW-RM-01-SSMS	To bring Aroclors into calibration range
FW-RM-01-SSMSD	To bring Aroclors into calibration range

- G. **Reanalysis:** None required for this SDG.

Comments:

I certify that this data package is in compliance with the terms and conditions agreed to by En Chem, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Linda M. Dugenbach Date: 4/22/02
Name: Linda Webb Gray Position: Quality Assurance Auditor

Organic Data Qualifiers

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit (see Sample Narrative).
- D Analyte value from diluted analysis.
- E Analyte concentration exceeds calibration range (see Sample Narrative).
- F Surrogate results outside control criteria or not available due to sample dilution.
- H(n) Extraction or analysis performed "n" days past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte (see Sample Narrative).
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- * Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

(Please Print Legibly)

Company Name: Foster Wheeler

Branch or Location: Battelle Denver

Project Contact: Dr. Pam Moss

Telephone: 303 - 980 - 2519

Project Number: 1980, 0208, 0100

Project Name: Examiner Marsh

Project State: Indiana

Sampled By (Print): Tim Hawkins

Data Package Options
(please circle if requested)

Results Only

EnChem Level III (Subject to Surcharge)
EnChem Level IV (Subject to Surcharge)

Laboratory ID
(Lab Use Only)

FIELD ID

REGULATORY PROGRAM

UST
RCRA
SDWA
HAPES
PERCRA
NRDA

MATRIX CODES

W-Water
S=Soil
A-Air
C-Chloro
B-Bio
SI-Sludge

COLLECTION DATE

MATRIX TIME

1

2

3

4

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23

CHAIN OF CUSTODY

78313

A=None

B=HCl

C=H2SO4

D=HNO3

E=EnCore

F=MeOH

G=NaOH

I=Other

Preservation Codes

H = Sodium Bisulfate Solution

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A

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FILTERED? (YES/NO)

ANALYSES BEQUEATHED

ANALYSES ASSISTED

EnChem Level III (Subject to Surcharge)

EnChem Level IV (Subject to Surcharge)

RESULTS ONLY

(Please Print Legibly)

Company Name: Fresh Wheeler

Branch or Location: Denver

Project Contact: Pam Mass

Telephone: 303 - 286-3519
Project Number: 1980, 0208, 0102

CHAIN OF CUSTODY

78321

A=None B=HCl C=H₂SO₄
H = Sodium Bisulfate Solution D=HNO₃
E=Ecocare I=Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A

Regulatory Program

UST

RHCA

SDDWA

NRDDES

FRACIA

MR

DO

SL

120831-C13

FW-RM-04-55

3-19

07:12

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014

FW-RM-01-55

5-7

0:05

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2

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3

Lab QC

015

FW-RM-03-55

3-19

0:50

5

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4

016

FW-RM-05-CS-44-77

3-19

0:15

5

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4

Archive Form 80839

017

FW-RM-08-CS-23-44

3-19

0:15

5

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2

1

4

018

FW-RM-09-CS-1-35

3-19

0:40

5

1

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4

020

FW-RM-09-CS-3549

3-19

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021

FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

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FW-RM-09-CS-3549

3-19

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030

FW-RM-09-CS-3549

3-19

0:40

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031

FW-RM-09-CS-3549

3-19

0:40

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032

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(Please Print Legibly)
Company Name: Foster Wheeler

Branch or Location: Denver

Project Contact: lawn mowers
Telephone: 303-980-3519
Project Number: 1980.0204.0105

Project Name: Roxanne Marsh

Project State: Indonesia Sampled By (Print): Timothy C. Hawley

Data Package Options
please circle if requested)

InChem Level III (Subject to Surcharge)
InChem Level IV (Subject to Surcharge)

LABORATORY ID (Lab ID# Only)	FIELD ID	Location	Comments
00839-021	Fw-Cm-17-CS		
022	Fw-Rm-80-		
023	Fw-Cm-18-CS		
024	Fw-Rm-01-C		
025	Fw-Rm-01-CS		
026	Fw-Rm-01-CS		

With Turnaround Time Requested (TAT) - Prelim

U.S. Patent and Trademark Office
Washington, D.C. 20591-0001

Transmit Prelim Rush Results by (circle):

Phone Fax E-Mail

#:

Samples on Hold Due to Backlog

Special pricing and release of liability

CHAIN OF CUSTODY



EN-CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2438
FAX 920-438-8827

Volume 30 Number 1

Batch No.

920839

En Chem, Inc. Cooler Receipt Log

Project Name or ID

Roxbury Marsh

No. of Coolers:

3

Temps:

3, 2, 3 °C

A. Receipt Phase: Date cooler was opened:

3/21/02

By:

RJC

- 1: Were samples received on ice? (Must be ≤ 6 C) YES NO²
2. Was there a Temperature Blank? YES NO
- 3: Were custody seals present and intact? (Record on COC) YES NO
- 4: Are COC documents present? YES NO²
- 5: Does this Project require quick turn around analysis? YES NO
- 6: Is there any sub-work? YES NO
- 7: Are there any short hold time tests? YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days) YES¹ NO
- 9: Do any samples need to be Filtered or Preserved in the lab? YES¹ NO

Contacted by/Who _____

Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in:

3/21/02

By:

RJC

- 1: Were all sample containers listed on the COC received and intact? YES NO² NA
- 2: Sign the COC as received by En Chem. Completed YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Check sample pH of preserved samples. (Not VOCs) Completed YES NO NA
- 5: Do samples have correct chemical preservation? YES NO² NA
- 6: Are dissolved parameters field filtered? YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed YES NO
- 10: Place laboratory sample number on all containers and COC. Completed YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed YES NO NA
- 14: Check laboratory sample number on all containers and COC. YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.

Subject to QA Audit.

p:/everyone/forms/samplereceiving/crl.doc

Reviewed by/date

QA 3125

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-15-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-001

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 300	300	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 300	300	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 300	300	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 300	300	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1100	230	ug/kg		4/11/02	SW846 8082
Aroclor 1254	1000	600	ug/kg		4/11/02	SW846 8082
Aroclor 1260	550	600	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-10-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-002

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method:	SW846 3550	Prep Date:	3/28/02	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 270	270	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 270	270	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 270	270	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 270	270	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1300	200	ug/kg		4/11/02	SW846 8082
Aroclor 1254	900	540	ug/kg		4/11/02	SW846 8082
Aroclor 1260	490	540	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-12-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-003

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1248	2500	1300	ug/kg	J	4/11/02	SW846 8082
Aroclor 1254	3200	3500	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	< 3500	3500	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-16-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-004

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 310	310	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 310	310	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 310	310	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 310	310	ug/kg		4/11/02	SW846 8082
Aroclor 1248	850	230	ug/kg		4/11/02	SW846 8082
Aroclor 1254	570	610	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	280	610	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-02-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-005

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 1200	1200	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 1200	1200	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 1200	1200	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 1200	1200	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1900	880	ug/kg		4/11/02	SW846 8082
Aroclor 1254	2200	2400	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	980	2400	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-06-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-006

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1248	840	180	ug/kg		4/11/02	SW846 8082
Aroclor 1254	790	470	ug/kg		4/11/02	SW846 8082
Aroclor 1260	380	470	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH Submitter : FOSTER WHEELER
Project Number : 1980.0208.0100 Report Date : 4/22/02
Field ID : FW-RM-05-SS Collection Date : 3/19/02
Lab Sample Number : 920839-007 Matrix Type : SOIL
Lab Project Number : 920839 WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method:	SW846 3550	Prep Date:	3/28/02	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 1700	1700	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1800	1200	ug/kg		4/11/02	SW846 8082
Aroclor 1254	4200	3300	ug/kg		4/11/02	SW846 8082
Aroclor 1260	1900	3300	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-17-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-008

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3550	Prep Date: 3/28/02			
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1100	180	ug/kg		4/11/02	SW846 8082
Aroclor 1254	1300	490	ug/kg		4/11/02	SW846 8082
Aroclor 1260	690	490	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-07-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-009

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 920	920	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 920	920	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 920	920	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 920	920	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1600	690	ug/kg		4/11/02	SW846 8082
Aroclor 1254	1200	1800	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	520	1800	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-08-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-010

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 260	260	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 260	260	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 260	260	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 260	260	ug/kg		4/11/02	SW846 8082
Aroclor 1248	480	200	ug/kg		4/11/02	SW846 8082
Aroclor 1254	530	530	ug/kg		4/11/02	SW846 8082
Aroclor 1260	260	530	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-09-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-011

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method:	SW846 3550	Prep Date:	3/28/02	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 370	370	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 370	370	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 370	370	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 370	370	ug/kg		4/11/02	SW846 8082
Aroclor 1248	1000	270	ug/kg		4/11/02	SW846 8082
Aroclor 1254	1400	730	ug/kg		4/11/02	SW846 8082
Aroclor 1260	960	730	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-01-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-012

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 1900	1900	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 1900	1900	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 1900	1900	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 1900	1900	ug/kg		4/11/02	SW846 8082
Aroclor 1248	6900	1500	ug/kg		4/11/02	SW846 8082
Aroclor 1254	3100	3900	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	1600	3900	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-04-SS
Lab Sample Number : 920839-013
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/22/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method:	SW846 3550	Prep Date:	3/28/02	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 170	170	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 170	170	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 170	170	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 170	170	ug/kg		4/11/02	SW846 8082
Aroclor 1248	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1254	< 330	330	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 330	330	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-03-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-015

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method:	SW846 3550	Prep Date:	3/28/02	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1248	810	180	ug/kg		4/11/02	SW846 8082
Aroclor 1254	810	470	ug/kg		4/11/02	SW846 8082
Aroclor 1260	380	470	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-08-CS-2.3-4.4

Collection Date : 3/19/02

Lab Sample Number : 920839-017

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST		Prep Method: SW846 3550		Prep Date: 3/28/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1248	< 90	90	ug/kg		4/11/02	SW846 8082
Aroclor 1254	< 240	240	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 240	240	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-08-CS-1-2.3

Collection Date : 3/19/02

Lab Sample Number : 920839-018

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 180	180	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 180	180	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 180	180	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 180	180	ug/kg		4/11/02	SW846 8082
Aroclor 1248	< 130	130	ug/kg		4/11/02	SW846 8082
Aroclor 1254	< 360	360	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 360	360	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-09-CS-1-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-019

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 230	230	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 230	230	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 230	230	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 230	230	ug/kg		4/11/02	SW846 8082
Aroclor 1248	< 170	170	ug/kg		4/11/02	SW846 8082
Aroclor 1254	< 460	460	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 460	460	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-09-CS-3.5-4.9

Collection Date : 3/19/02

Lab Sample Number : 920839-020

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 160	160	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 160	160	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 160	160	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 160	160	ug/kg		4/11/02	SW846 8082
Aroclor 1248	< 120	120	ug/kg		4/11/02	SW846 8082
Aroclor 1254	< 320	320	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 320	320	ug/kg		4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-17-CS-0-1.5

Collection Date : 3/19/02

Lab Sample Number : 920839-021

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 4600	4600	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 4600	4600	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 4600	4600	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 4600	4600	ug/kg		4/11/02	SW846 8082
Aroclor 1248	2200	3400	ug/kg	J	4/11/02	SW846 8082
Aroclor 1254	3100	9200	ug/kg	J	4/11/02	SW846 8082
Aroclor 1260	1100	9200	ug/kg	J	4/11/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-RB-01

Collection Date : 3/19/02

Lab Sample Number : 920839-022

Matrix Type : WATER

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3510

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.93	0.93	ug/L		4/1/02	SW846 8082
Aroclor 1221	< 0.93	0.93	ug/L		4/1/02	SW846 8082
Aroclor 1232	< 1.5	1.5	ug/L		4/1/02	SW846 8082
Aroclor 1242	< 0.93	0.93	ug/L		4/1/02	SW846 8082
Aroclor 1248	< 0.93	0.93	ug/L		4/1/02	SW846 8082
Aroclor 1254	< 0.93	0.93	ug/L		4/1/02	SW846 8082
Aroclor 1260	< 0.93	0.93	ug/L		4/1/02	SW846 8082

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/22/02

Field ID : FW-RM-17-CS-1.5-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-023

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

PCB LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 130	130	ug/kg		4/11/02	SW846 8082
Aroclor 1221	< 130	130	ug/kg		4/11/02	SW846 8082
Aroclor 1232	< 130	130	ug/kg		4/11/02	SW846 8082
Aroclor 1242	< 130	130	ug/kg		4/11/02	SW846 8082
Aroclor 1248	54	100	ug/kg	J	4/11/02	SW846 8082
Aroclor 1254	< 270	270	ug/kg		4/11/02	SW846 8082
Aroclor 1260	< 270	270	ug/kg		4/11/02	SW846 8082